

# **THE INFLUENCE OF JIGSAW LEARNING METHOD TOWARD LEARNING ACHIEVEMENT ON BASIC OPERETAION OF SMKN 2 WONOSARI**

By :

Nurhadi Setyo Nugroho

07503244013

## **ABSTRACT**

This study aims to determine the learning outcomes in using the basic operation of the machine using the Jigsaw method of teaching and learning conventional method in class X Machining SMKN 2 Wonosari.

The method that used in this study was Quasi-experiment with the design Non-equivalent Control Group Design. The study was conducted in X class Mechanical of SMKN 2 Wonosari, X MA as a class of control (conventional method), X MC as a class experiment (Jigsaw method) in learning using the basic operation of the machine.

Learning outcomes in control class was using the conventional method in learning less satisfactory result because the average value of 68,875 in the KKM class was worth. The Mean class was 68. Highest value obtained 68, the lowest was 48, and the highest was 92. Learning outcomes in classroom experiment was using the Jigsaw method of learning obtained satisfactory results because the average value of 72,75, above this value of the KKM was 70 and the Mean class was 72. Highest value obtained was 72. So, using the Jigsaw learning method was more effective to learn using the basic operation of the machine. Achievement can be seen from the completeness Minimum Criteria (KKM) was 70, the average results of experimental class exhaustiveness Minimum Criteria have been define, so that it can be concluded that the effective teaching method to learn using the basic operation of the machine is Jigsaw method. Calculations used to use t- test showed that the  $t_{table} < t_{count}$  ( $2.5062 < 2.040$ ). Thus, it can be concluded that with a significant difference study of students who were treated using Jigsaw method and conventional methods in Machine Operation Using Basic Training.

Keywords: Influence, Jigsaw, using the basic operation of the machine